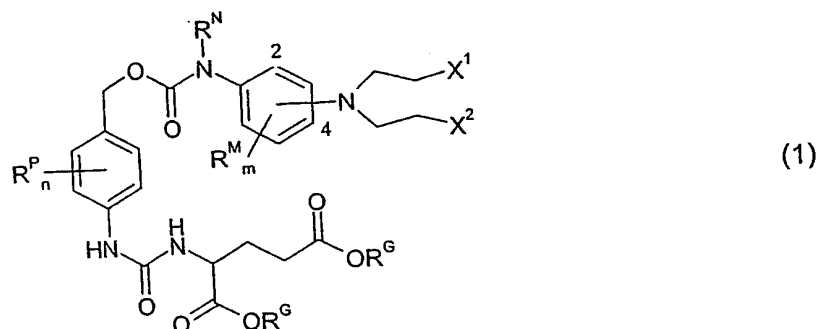


CLAIMS

1. A compound of the formula:



5 wherein:

$R^N$  is independently  $C_{1-7}$ alkyl;

$X^1$  is independently -I, -Br, or -Cl;

$X^2$  is independently -I, -Br, or -Cl;

the group  $-N(CH_2CH_2X^1)(CH_2CH_2X^2)$  is independently attached at the

10 2-position or at the 4-position;

each  $R^G$  is independently -H or an ester substituent;

$n$  is independently an integer from 0 to 4;

each  $R^P$ , if present, is independently a phenyl substituent;

$m$  is independently an integer from 0 to 4;

15 each  $R^M$ , if present, is independently a mustard substituent;

and pharmaceutically acceptable salts, solvates, amides, and esters thereof.

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- 20 2. A compound according to claim 1, wherein  $R^N$  is independently aliphatic  $C_{1-7}$ alkyl.
3. A compound according to claim 1, wherein  $R^N$  is independently unsubstituted  $C_{1-7}$ alkyl.
- 25 4. A compound according to claim 1, wherein  $R^N$  is independently unsubstituted aliphatic  $C_{1-7}$ alkyl.
5. A compound according to claim 1, wherein  $R^N$  is independently  $C_{1-4}$ alkyl.
- 30 6. A compound according to claim 1, wherein  $R^N$  is independently aliphatic  $C_{1-4}$ alkyl.

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7. A compound according to claim 1, wherein  $R^N$  is independently unsubstituted  $C_{1-4}$ alkyl.
- 5 8. A compound according to claim 1, wherein  $R^N$  is independently unsubstituted aliphatic  $C_{1-4}$ alkyl.
9. A compound according to claim 1, wherein  $R^N$  is independently -Me, -Et, -nPr, -iPr, -allyl, -nBu, -sBu, -iBu, or -tBu.
- 10 10. A compound according to claim 1, wherein  $R^N$  is independently -Me or -Et.
11. A compound according to claim 1, wherein  $R^N$  is independently -Me.

15

\* \* \*

12. A compound according to any one of claims 1 to 11, wherein each of  $X^1$  and  $X^2$  is independently -I, -Br, or -Cl; and both of  $X^1$  and  $X^2$  are the same.
- 20 13. A compound according to any one of claims 1 to 11, wherein each of  $X^1$  and  $X^2$  is independently -I or -Br.
14. A compound according to any one of claims 1 to 11, wherein each of  $X^1$  and  $X^2$  is independently -I or -Br; and both of  $X^1$  and  $X^2$  are the same.
- 25 15. A compound according to any one of claims 1 to 11, wherein each of  $X^1$  and  $X^2$  is independently -I.
16. A compound according to any one of claims 1 to 11, wherein each of  $X^1$  and  $X^2$  is independently -Br.
- 30 17. A compound according to any one of claims 1 to 11, wherein each of  $X^1$  and  $X^2$  is independently -Cl.

35

\* \* \*

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18. A compound according to claim 1, wherein  
R<sup>N</sup> is independently C<sub>1-4</sub>alkyl; and,  
each X is independently -Cl, -Br or -I.
- 5 19. A compound according to claim 1, wherein  
R<sup>N</sup> is independently -Et or -Me; and,  
each X is independently -Cl, -Br or -I.
- 10 20. A compound according to claim 1, wherein  
R<sup>N</sup> is independently -Me; and,  
each X is independently -Cl, -Br or -I.
- 15 21. A compound according to claim 1, wherein  
R<sup>N</sup> is independently C<sub>1-4</sub>alkyl; and,  
each X is independently -Br or -I.
22. A compound according to claim 1, wherein  
R<sup>N</sup> is independently -Et or -Me; and,  
each X is independently -Br or -I.
- 20 23. A compound according to claim 1, wherein  
R<sup>N</sup> is independently -Me; and,  
each X is independently -Br or -I.
- 25 24. A compound according to claim 1, wherein  
R<sup>N</sup> is independently C<sub>1-4</sub>alkyl; and,  
each X is independently -I.
- 30 25. A compound according to claim 1, wherein  
R<sup>N</sup> is independently -Et or -Me; and,  
each X is independently -I.
- 35 26. A compound according to claim 1, wherein  
R<sup>N</sup> is independently -Me; and,  
each X is independently -I.

\* \* \*

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27. A compound according to any one of claims 1 to 26, wherein the group  $-N(CH_2CH_2X^1)(CH_2CH_2X^2)$  is independently attached at the 4-position.

\* \* \*

28. A compound according to claim 1, wherein  
 $R^N$  is independently  $C_{1-4}$ alkyl;  
each X is independently -Cl, -Br or -I; and,  
the group  $-N(CH_2CH_2X)_2$  is independently attached at the 4-position.

29. A compound according to claim 1, wherein  
 $R^N$  is independently -Et or -Me;  
each X is independently -Cl, -Br or -I; and,  
the group  $-N(CH_2CH_2X)_2$  is independently attached at the 4-position.

30. A compound according to claim 1, wherein  
 $R^N$  is independently -Me;  
each X is independently -Cl, -Br or -I; and,  
the group  $-N(CH_2CH_2X)_2$  is independently attached at the 4-position.

31. A compound according to claim 1, wherein  
 $R^N$  is independently  $C_{1-4}$ alkyl;  
each X is independently -Br or -I; and,  
the group  $-N(CH_2CH_2X)_2$  is independently attached at the 4-position.

32. A compound according to claim 1, wherein  
 $R^N$  is independently -Et or -Me;  
each X is independently -Br or -I; and,  
the group  $-N(CH_2CH_2X)_2$  is independently attached at the 4-position.

33. A compound according to claim 1, wherein  
 $R^N$  is independently -Me;  
each X is independently -Br or -I; and,  
the group  $-N(CH_2CH_2X)_2$  is independently attached at the 4-position.

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34. A compound according to claim 1, wherein  
R<sup>N</sup> is independently C<sub>1-4</sub>alkyl;  
each X is independently -I; and,  
the group -N(CH<sub>2</sub>CH<sub>2</sub>X)<sub>2</sub> is independently attached at the 4-position.

5

35. A compound according to claim 1, wherein  
R<sup>N</sup> is independently -Et or -Me;  
each X is independently -I; and,  
the group -N(CH<sub>2</sub>CH<sub>2</sub>X)<sub>2</sub> is independently attached at the 4-position.

10

36. A compound according to claim 1, wherein  
R<sup>N</sup> is independently -Me;  
each X is independently -I; and,  
the group -N(CH<sub>2</sub>CH<sub>2</sub>X)<sub>2</sub> is independently attached at the 4-position.

15

\* \* \*

37. A compound according to any one of claims 1 to 36, wherein n is 0, 1, or 2.

- 20 38. A compound according to any one of claims 1 to 36, wherein n is 0 or 1.

39. A compound according to any one of claims 1 to 36, wherein n is 2.

40. A compound according to any one of claims 1 to 36, wherein n is 1.

25

41. A compound according to any one of claims 1 to 36, wherein n is 0.

\* \* \*

- 30 42. A compound according to any one of claims 1 to 41, wherein each R<sup>P</sup>, if present,  
is independently halo, C<sub>1-4</sub>alkyl, nitro, or cyano.

43. A compound according to any one of claims 1 to 41, wherein each R<sup>P</sup>, if present,  
is independently:

35 -F, -Cl, -Br, -I, -Me, -Et, -nPr, -iPr, -nBu, -sBu, -iBu, -tBu, -NO<sub>2</sub>, or -CN.

44. A compound according to any one of claims 1 to 41, wherein each R<sup>P</sup>, if present,  
is independently -F, -Cl, -Br, or -I.

45. A compound according to any one of claims 1 to 41, wherein each  $R^P$ , if present, is independently -F, -Cl or -Br.

5 46. A compound according to any one of claims 1 to 41, wherein each  $R^P$ , if present, is independently -F or -Cl.

47. A compound according to any one of claims 1 to 41, wherein each  $R^P$ , if present, is independently -F or -Br.

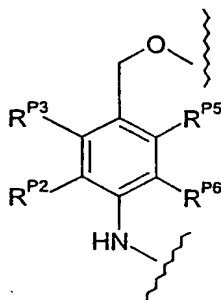
10

48. A compound according to any one of claims 1 to 41, wherein each  $R^P$ , if present, is independently -F.

\* \* \*

15

49. A compound according to any one of claims 1 to 48, wherein the phenylene group has the following formula:



20

wherein each of  $R^{P2}$ ,  $R^{P3}$ ,  $R^{P5}$ , and  $R^{P6}$  is independently -H, halo,  $\text{C}_{1-4}$ alkyl, nitro, or cyano.

50. A compound according to claim 49, wherein each of  $R^{P2}$  and  $R^{P6}$  is -H; and each of  $R^{P3}$  and  $R^{P5}$  is independently halo,  $\text{C}_{1-4}$ alkyl, nitro, or cyano.

25

51. A compound according to claim 49, wherein each of  $R^{P2}$ ,  $R^{P5}$ , and  $R^{P6}$  is -H; and  $R^{P3}$  is independently halo,  $\text{C}_{1-4}$ alkyl, nitro, or cyano.

52. A compound according to claim 49, wherein each of  $R^{P2}$ ,  $R^{P3}$ ,  $R^{P5}$ , and  $R^{P6}$  is -H.

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\* \* \*

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53. A compound according to any one of claims 1 to 52, wherein m is 0, 1, or 2.

54. A compound according to any one of claims 1 to 52, wherein m is 0 or 1.

5 55. A compound according to any one of claims 1 to 52, wherein m is 2.

56. A compound according to any one of claims 1 to 52, wherein m is 1.

57. A compound according to any one of claims 1 to 52, wherein m is 0.

10

\* \* \*

58. A compound according to any one of claims 1 to 57, wherein each R<sup>M</sup>, if present, is independently selected from: C<sub>1-4</sub>alkyl; C<sub>1-4</sub>alkoxy; amino; halo; C<sub>1-4</sub>alkylthio; acyl; ester; amido; cyano; nitro; and, C<sub>5-6</sub>aryl.

15

59. A compound according to any one of claims 1 to 57, wherein each R<sup>M</sup>, if present, is independently selected from:

-Me, -Et, -nPr, -iPr, -nBu, -sBu, -iBu, -tBu;  
-CF<sub>3</sub>, -CH<sub>2</sub>F, -CH<sub>2</sub>CF<sub>3</sub>, -CH<sub>2</sub>CH<sub>2</sub>F; -CF<sub>2</sub>CF<sub>3</sub>;  
-OMe, -OEt, -O-nPr, -O-iPr, -O-nBu, -O-sBu, -O-iBu, -O-tBu;  
-OCF<sub>3</sub>, -OCH<sub>2</sub>F, -OCH<sub>2</sub>CF<sub>3</sub>, -OCH<sub>2</sub>CH<sub>2</sub>F; -OCF<sub>2</sub>CF<sub>3</sub>;  
-NH<sub>2</sub>, -NMe<sub>2</sub>, -NEt<sub>2</sub>, -N(nPr)<sub>2</sub>, -N(iPr)<sub>2</sub>,  
-F, -Cl, -Br, -I;  
-SMe, -SEt;  
-C(=O)Me;  
-C(=O)OMe, -C(=O)OEt;  
-CONH<sub>2</sub>, -CONHMe;  
-CN;  
-NO<sub>2</sub>; and,  
-Ph.

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60. A compound according to any one of claims 1 to 57, wherein each R<sup>M</sup>, if present, is independently selected from:

35

C<sub>1-4</sub>alkyl; C<sub>1-4</sub>alkoxy; and, amino.

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61. A compound according to any one of claims 1 to 57, wherein each  $R^M$ , if present, is independently selected from:

-Me, -Et, -nPr, -iPr, -nBu, -sBu, -iBu, -tBu;  
-CF<sub>3</sub>, -CH<sub>2</sub>F, -CH<sub>2</sub>CF<sub>3</sub>, -CH<sub>2</sub>CH<sub>2</sub>F; -CF<sub>2</sub>CF<sub>3</sub>;  
-OMe, -OEt, -O-nPr, -O-iPr, -O-nBu, -O-sBu, -O-iBu, -O-tBu;  
-OCF<sub>3</sub>, -OCH<sub>2</sub>F, -OCH<sub>2</sub>CF<sub>3</sub>, -OCH<sub>2</sub>CH<sub>2</sub>F; -OCF<sub>2</sub>CF<sub>3</sub>;  
-NH<sub>2</sub>, -NMe<sub>2</sub>, -NEt<sub>2</sub>, -N(nPr)<sub>2</sub>, and -N(iPr)<sub>2</sub>,

62. A compound according to any one of claims 1 to 57, wherein each  $R^M$ , if present, is independently selected from:

-Me, -Et, -CF<sub>3</sub>, -OMe, -OEt, -NH<sub>2</sub>, and -NMe<sub>2</sub>.

\* \* \*

63. A compound according to any one of claims 1 to 62, wherein each  $R^G$  is independently -H.

\* \* \*

64. A compound according to any one of claims 1 to 62, wherein each  $R^G$  is independently -H, unsubstituted C<sub>1-7</sub>alkyl, substituted C<sub>1-7</sub>alkyl, or silyl.

65. A compound according to any one of claims 1 to 62, wherein each  $R^G$  is independently -H, unsubstituted C<sub>1-7</sub>alkyl, or substituted C<sub>1-7</sub>alkyl.

66. A compound according to any one of claims 1 to 62, wherein each  $R^G$  is independently -H or unsubstituted C<sub>1-7</sub>alkyl.

\* \* \*

67. A compound according to any one of claims 64 to 66, wherein the unsubstituted C<sub>1-7</sub>alkyl group is independently unsubstituted C<sub>1-4</sub>alkyl.

68. A compound according to any one of claims 64 to 66, wherein the unsubstituted C<sub>1-7</sub>alkyl group is independently: -Me, -Et, -nPr, -iPr, -allyl, -nBu, -sBu, -iBu, or -tBu.

\* \* \*



69. A compound according to claim 64 or claim 65, wherein the substituted C<sub>1-7</sub>alkyl group is independently C<sub>1-7</sub>alkyl substituted with one or more groups selected from optionally substituted C<sub>5-20</sub>aryl, C<sub>1-7</sub>alkoxy, C<sub>1-7</sub>alkylthio, and acyloxy.
- 5 70. A compound according to claim 64 or claim 65, wherein the substituted C<sub>1-7</sub>alkyl group is independently C<sub>1-4</sub>alkyl substituted with one or more groups selected from optionally substituted C<sub>5-20</sub>aryl, C<sub>1-7</sub>alkoxy, C<sub>1-7</sub>alkylthio, and acyloxy.
- 10 71. A compound according to claim 64 or claim 65, wherein the substituted C<sub>1-7</sub>alkyl group is independently C<sub>1</sub>alkyl substituted with one or more groups selected from optionally substituted C<sub>5-20</sub>aryl, C<sub>1-7</sub>alkoxy, C<sub>1-7</sub>alkylthio, and acyloxy.
- 15 72. A compound according to claim 64 or claim 65, wherein the substituted C<sub>1-7</sub>alkyl group is independently C<sub>1-7</sub>alkyl substituted with one or more groups selected from optionally substituted C<sub>5-6</sub>aryl, C<sub>1-4</sub>alkoxy, C<sub>1-4</sub>alkylthio, C<sub>1-4</sub>alkyl-acyloxy, C<sub>5-6</sub>aryl-acyloxy.
- 20 73. A compound according to claim 64 or claim 65, wherein the substituted C<sub>1-7</sub>alkyl group is independently C<sub>1-4</sub>alkyl substituted with one or more groups selected from optionally substituted C<sub>5-6</sub>aryl, C<sub>1-4</sub>alkoxy, C<sub>1-4</sub>alkylthio, C<sub>1-4</sub>alkyl-acyloxy, C<sub>5-6</sub>aryl-acyloxy.
- 25 74. A compound according to claim 64 or claim 65, wherein the substituted C<sub>1-7</sub>alkyl group is independently C<sub>1</sub>alkyl substituted with one or more groups selected from optionally substituted C<sub>5-6</sub>aryl, C<sub>1-4</sub>alkoxy, C<sub>1-4</sub>alkylthio, C<sub>1-4</sub>alkyl-acyloxy, C<sub>5-6</sub>aryl-acyloxy.
- 30 75. A compound according to claim 64 or claim 65, wherein the substituted C<sub>1-7</sub>alkyl group is independently C<sub>1-7</sub>alkyl substituted with one or more groups selected from optionally substituted phenyl (e.g., methoxyphenyl, nitrophenyl), methoxy, methylthio, acetoxy, and benzoyloxy.
- 35 76. A compound according to claim 64 or claim 65, wherein the substituted C<sub>1-7</sub>alkyl group is independently C<sub>1-4</sub>alkyl substituted with one or more groups selected from optionally substituted phenyl (e.g., methoxyphenyl, nitrophenyl), methoxy, methylthio, acetoxy, and benzoyloxy.

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77. A compound according to claim 64 or claim 65, wherein the substituted C<sub>1-7</sub>alkyl group is independently C<sub>1</sub>alkyl substituted with one or more groups selected from optionally substituted phenyl (e.g., methoxyphenyl, nitrophenyl), methoxy, methylthio, acetoxy, and benzoyloxy.

5

\* \* \*

78. A compound according to claim 64, wherein the silyl group is independently -SiR<sup>S</sup><sub>3</sub>, wherein each R<sup>S</sup> is independently -H or C<sub>1-4</sub>alkyl.

10

79. A compound according to claim 64, wherein the silyl group is independently -Si(Me)<sub>3</sub>, -Si(Et)<sub>3</sub>, -Si(iPr)<sub>3</sub>, -Si(tBu)(CH<sub>3</sub>)<sub>2</sub>, or -Si(tBu)<sub>3</sub>.

80. A compound according to claim 64, wherein the silyl group is independently -Si(iPr)<sub>3</sub>.

15

\* \* \*

81. A compound according to any one of claims 1 to 62, wherein each R<sup>G</sup> is independently (1) t-butyl, (2) allyl, (3) tri-isopropylsilyl, (4) acetoxymethyl, (5) methoxymethyl, (6) methylthiomethyl, (7) p-methoxyphenylmethyl, (8) bis(o-nitrophenyl)methyl, (9) benzyl, or (10) diphenylmethyl.

20

82. A compound according to any one of claims 1 to 62, wherein each R<sup>G</sup> is independently (1) t-butyl, (2) allyl, (3) tri-isopropylsilyl, (4) acetoxymethyl, or (5) methoxymethyl.

25

83. A compound according to any one of claims 1 to 62, wherein each R<sup>G</sup> is independently (1) t-butyl, (2) allyl, or (3) tri-isopropylsilyl.

30

84. A compound according to any one of claims 1 to 62, wherein each R<sup>G</sup> is independently (1) t-butyl or (2) allyl.

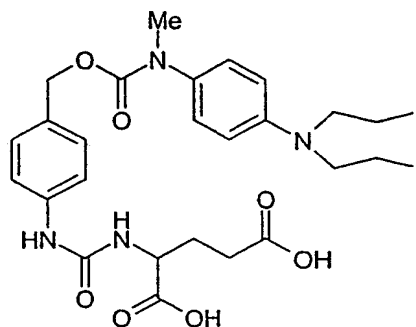
85. A compound according to any one of claims 1 to 62, wherein each R<sup>G</sup> is independently (1) allyl.

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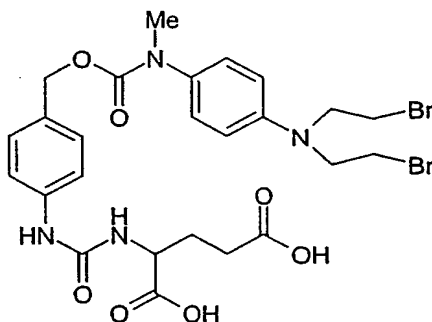
\* \* \*

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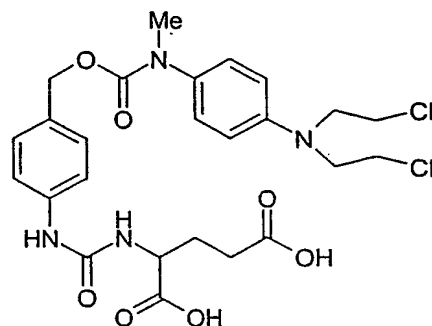
86. A compound selected from compounds of the following formula (P-1), and pharmaceutically acceptable salts, solvates, amides, and esters thereof:



- 5 87. A compound selected from compounds of the following formula (P-2), and pharmaceutically acceptable salts, solvates, amides, and esters thereof:



88. A compound selected from compounds of the following formula (P-3), and pharmaceutically acceptable salts, solvates, amides, and esters thereof:



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89. A composition comprising a compound according to any one of claims 1 to 88, and a carrier.
90. A composition comprising a compound according to any one of claims 1 to 88, and a pharmaceutically acceptable carrier.

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\* \* \*

5 91. A method of (a) regulating proliferation of a cell; (b) inhibiting cell cycle progression of a cell; (c) promoting apoptosis of a cell; or (d) a combination of one or more of these, *in vitro* or *in vivo*, comprising contacting the cell with an effective amount of a compound according to any one of claims 1 to 90.

10 92. A method of regulating proliferation of a cell, *in vitro* or *in vivo*, comprising contacting the cell with an effective amount of a compound according to any one of claims 1 to 90.

15 93. A method of treatment of a proliferative condition comprising administering to a subject in need of treatment a therapeutically-effective amount of a compound according to any one of claims 1 to 90.

20 94. A method of treatment of cancer comprising administering to a subject in need of treatment a therapeutically-effective amount of a compound according to any one of claims 1 to 90.

\* \* \*

25 95. A compound according to any one of claims 1 to 90, for use in a method of treatment of the human or animal body by therapy.

96. A compound according to any one of claims 1 to 90, for use in a method of treatment of a proliferative condition of the human or animal body by therapy.

30 97. A compound according to any one of claims 1 to 90, for use in a method of treatment of cancer of the human or animal body by therapy.

\* \* \*

35 98. Use of a compound according to any one of claims 1 to 90 for the manufacture of a medicament for the treatment of a proliferative condition.

99. Use of a compound according to any one of claims 1 to 90 for the manufacture of a medicament for the treatment of cancer.

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\* \* \*

100. A kit comprising:

- 5                   (a) a compound according to any one of claims 1 to 90; and  
                  (b) instructions for use.

\* \* \*

10   101. A method of (a) regulating proliferation of a cell; (b) inhibiting cell cycle  
progression of a cell; (c) promoting apoptosis of a cell; or (d) a combination of one  
or more of these, *in vitro* or *in vivo*, comprising contacting the cell with a  
therapeutically-effective amount of a compound according to any one of claims 1  
to 90, in the presence of a carboxypeptidase enzyme.

15

102. A method of regulating proliferation of a cell, *in vitro* or *in vivo*, comprising  
contacting the cell with a therapeutically-effective amount of a compound  
according to any one of claims 1 to 90, in the presence of a carboxypeptidase  
enzyme.

20

103. A method of treatment of a proliferative condition comprising administering to a  
subject in need of treatment a therapeutically-effective amount of a compound  
according to any one of claims 1 to 90, in the presence of a carboxypeptidase  
enzyme.

25

104. A method of treatment of cancer comprising administering to a subject in need of  
treatment a therapeutically-effective amount of a compound according to any one  
of claims 1 to 90, in the presence of a carboxypeptidase enzyme.

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\* \* \*

105. A two component system comprising:

- (a) a compound according to any one of claims 1 to 90; and,  
                  (b) an antibody or fragment thereof conjugated or fused to a  
35                   carboxypeptidase enzyme.

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106. A two component system comprising:

(a) a compound according to any one of claims 1 to 90; and,

(b) an antibody or fragment thereof conjugated or fused to a  
carboxypeptidase enzyme,

5 for use in a method of treatment of the human or animal body by therapy.

\* \* \*

107. Use of a two component system comprising:

10 (a) a compound according to any one of claims 1 to 90; and,

(b) an antibody or fragment thereof conjugated or fused to a  
carboxypeptidase enzyme,

for the manufacture of a medicament for the treatment of a proliferative condition.

15 108. Use of a two component system comprising:

(a) a compound according to any one of claims 1 to 90; and,

(b) an antibody or fragment thereof conjugated or fused to a  
carboxypeptidase enzyme,

for the manufacture of a medicament for the treatment of cancer.

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\* \* \*

109. A kit comprising:

(a) a compound according to any one of claims 1 to 90;

25 (b) an antibody or fragment thereof conjugated or fused to a  
carboxypeptidase enzyme; and,

(c) instructions for use.

\* \* \*

30

110. A method of (a) regulating proliferation of a cell; (b) inhibiting cell cycle  
progression of a cell; (c) promoting apoptosis of a cell; or (d) a combination of one  
or more of these, *in vitro* or *in vivo*, comprising:

35 (i) contacting the cell with an antibody or fragment thereof conjugated or  
fused to a carboxypeptidase enzyme; and,

(ii) contacting the cell with a therapeutically-effective amount of a  
compound according to any one of claims 1 to 90.

111. A method of regulating proliferation of a cell, *in vitro* or *in vivo*, comprising:  
(i) contacting the cell with an antibody or fragment thereof conjugated or fused to a carboxypeptidase enzyme; and,  
(ii) contacting the cell with a therapeutically-effective amount of a compound according to any one of claims 1 to 90.
112. A method of treatment of a proliferative condition, comprising administering to a subject in need of treatment:  
(i) an antibody or fragment thereof conjugated or fused to a carboxypeptidase enzyme; and,  
(ii) contacting the cell with a therapeutically-effective amount of a compound according to any one of claims 1 to 90.
113. A method of treatment of cancer, comprising administering to a subject in need of treatment:  
(i) an antibody or fragment thereof conjugated or fused to a carboxypeptidase enzyme; and,  
(ii) contacting the cell with a therapeutically-effective amount of a compound according to any one of claims 1 to 90.

\* \* \*

114. A two component system comprising:  
(a) a compound according to any one of claims 1 to 90; and,  
(b) a nucleic acid encoding a carboxypeptidase enzyme.
115. A two component system comprising:  
(a) a compound according to any one of claims 1 to 90; and,  
(b) a nucleic acid encoding a carboxypeptidase enzyme,  
for use in a method of treatment of the human or animal body by therapy.

\* \* \*

116. Use of a two component system comprising:  
(a) a compound according to any one of claims 1 to 90; and,  
(b) a nucleic acid encoding a carboxypeptidase enzyme,  
for the manufacture of a medicament for the treatment of a proliferative condition.

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117. Use of a two component system comprising:

- (a) a compound according to any one of claims 1 to 90; and,
  - (b) a nucleic acid encoding a carboxypeptidase enzyme,
- for the manufacture of a medicament for the treatment of cancer.

5

\* \* \*

118. A kit comprising:

- (a) a compound according to any one of claims 1 to 90;
- (b) a nucleic acid encoding a carboxypeptidase enzyme; and,
- (c) instructions for use.

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119. A method of (a) regulating proliferation of a cell; (b) inhibiting cell cycle progression of a cell; (c) promoting apoptosis of a cell; or (d) a combination of one or more of these, *in vitro* or *in vivo*, comprising:

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(i) contacting the cell with a nucleic acid encoding a carboxypeptidase enzyme; and,

(ii) contacting the cell with a therapeutically-effective amount of a compound according to any one of claims 1 to 90.

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120. A method of regulating proliferation of a cell, *in vitro* or *in vivo*, comprising:

(i) contacting the cell with a nucleic acid encoding a carboxypeptidase enzyme; and,

(ii) contacting the cell with a therapeutically-effective amount of a compound according to any one of claims 1 to 90.

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121. A method of treatment of a proliferative condition, comprising administering to a subject in need of treatment:

(i) a nucleic acid encoding a carboxypeptidase enzyme; and,

(ii) a therapeutically-effective amount of a compound according to any one of claims 1 to 90.

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122. A method of treatment of cancer, comprising administering to a subject in need of treatment:

(i) a nucleic acid encoding a carboxypeptidase enzyme; and,

(ii) a therapeutically-effective amount of a compound according to any one of claims 1 to 90.

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